AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Original) A process for making polypropylene, comprising the steps of:
 - a) contacting an oxygenate stream with an olefin forming catalyst to form an olefin stream;
 - b) separating an intermediate grade propylene stream from the olefin stream, wherein the intermediate grade propylene stream contains less than 99.5 wt % propylene, based on total weight of the stream;
 - c) contacting the intermediate grade propylene stream with a polypropylene forming catalyst to form polypropylene and unreacted by-product; and
 - d) removing propane from the unreacted by-product to form at least one purge stream and a propylene containing recycle stream.
- 2. (Original) The process of claim 1, wherein the recycle stream is contacted with polyolefin forming catalyst.
- 3. (Original) The process of claim 1, wherein the intermediate grade propylene stream contains less than 99 wt % propylene, based on total weight of the stream.
- 4. (Original) The process of claim 3, wherein the intermediate grade propylene stream contains less than 98 wt % propylene, based on total weight of the stream.
- 5. (Original) The process of claim 4, wherein the intermediate grade propylene stream contains less than 97 wt % propylene, based on total weight of the stream.

- 6. (Original) The process of claim 1, wherein the intermediate grade propylene stream contains at least 95 wt % propylene, based on total weight of the stream.
- 7. (Original) The process of claim 1, wherein the polypropylene forming catalyst is a Ziegler Natta or metallocene catalyst.
- 8. (Original) The process of claim 1, wherein the propane is removed from the unreacted by-product by distillation.
- 9. (Original) A process for making polypropylene, comprising the steps of:
 - a) separating a propylene stream and a dimethyl ether stream from an olefin stream, with the propylene stream being separated as an overhead distillation stream and the dimethyl ether stream being separated as a bottoms distillation stream;
 - b) recovering an intermediate grade propylene stream from the overhead stream;
 - c) contacting the intermediate grade propylene stream with polypropylene forming catalyst to form polypropylene and unreacted by-product;
 - d) recovering propylene from the unreacted by-product to form a recycle stream; and
 - e) contacting the recycle stream with the polypropylene forming catalyst to form additional polypropylene product.
- 10. (Original) The process of claim 9, wherein the intermediate grade propylene stream contains less than 99.5 wt % propylene, based on total weight of the stream.
- 11. (Original) The process of claim 10, wherein the intermediate grade propylene stream contains less than 99 wt % propylene, based on total weight of the stream.
- 12. (Original) The process of claim 11, wherein the intermediate grade propylene stream contains less than 98 wt % propylene, based on total weight of the stream.

- 13. (Original) The process of claim 12, wherein the intermediate grade propylene stream contains less than 97 wt % propylene, based on total weight of the stream.
- 14. (Original) The process of claim 11, wherein the intermediate grade propylene stream contains at least 95 wt % propylene, based on total weight of the stream.
- 15. (Original) The process of claim 9, wherein the polypropylene forming catalyst is a Ziegler Natta or metallocene catalyst.
- 16. Canceled.
- 17. (Currently Amended) A process for making polypropylene product, comprising the steps of:
 - a) contacting an oxygenate stream with an olefin forming catalyst to form an olefin stream, wherein the olefin stream comprises propylene, propane and dimethyl ether;
 - b) separating the propylene, propane and dimethyl ether from the olefin stream to obtain an intermediate grade propylene stream;
 - c) contacting the intermediate grade propylene stream with a polypropylene forming catalyst to form a polypropylene product.
- 18. (Original) The process of claim 17, wherein propylene is separated from the polypropylene product to form a recycle stream.
- 19. (Original) The process of claim 18, wherein the recycle stream is contacted with the polypropylene forming catalyst.
- 20. (Original) The process of claim 17, wherein the intermediate grade propylene stream contains less than 99.5 wt % propylene, based on total weight of the stream.

- 21. (Original) The process of claim 20, wherein the intermediate grade propylene stream contains less than 99 wt % propylene, based on total weight of the stream.
- 22. (Original) The process of claim 21, wherein the intermediate grade propylene stream contains less than 98 wt % propylene, based on total weight of the stream.
- 23. (Original) The process of claim 22, wherein the intermediate grade propylene stream contains less than 97 wt % propylene, based on total weight of the stream.
- 24. (Original) The process of claim 20, wherein the intermediate grade propylene stream contains at least 95 wt % propylene, based on total weight of the stream.
- 25. (Original) The process of claim 17, wherein the polypropylene forming catalyst is a Ziegler Natta or metallocene catalyst.
- 26. (Original) A process for making polypropylene product, comprising the steps of:
 - a) contacting an oxygenate stream with an olefin forming catalyst to form an olefin stream;
 - b) separating a propylene stream from the olefin stream;
 - c) sending the propylene stream to a propylene separation system:
 - d) recovering an intermediate grade propylene stream from the propylene separation system;
 - e) contacting the intermediate grade propylene stream with a polypropylene forming catalyst to form a polypropylene product and unreacted propylene; and
 - f) removing at least a portion of the unreacted propylene in the propylene separation system, wherein the intermediate grade propylene stream further comprises the removed portion of unreacted propylene.
- 27. (Original) The process of claim 26, wherein the propylene separation system includes a distillation column.

- 28. (Original) The process of claim 26, wherein the intermediate grade propylene stream contains less than 99.5 wt % propylene, based on total weight of the stream.
- 29. (Original) The process of claim 28, wherein the intermediate grade propylene stream contains less than 99 wt % propylene, based on total weight of the stream.
- 30. (Original) The process of claim 29, wherein the intermediate grade propylene stream contains less than 98 wt % propylene, based on total weight of the stream.
- 31. (Original) The process of claim 30, wherein the intermediate grade propylene stream contains less than 97 wt % propylene, based on total weight of the stream.
- 32. (Original) The process of claim 28, wherein the intermediate grade propylene stream contains at least 95 wt % propylene, based on total weight of the stream.
- 33. (Original) The process of claim 26, wherein the polypropylene forming catalyst is a Ziegler Natta or metallocene catalyst.